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| L3 | 3 | ("6128924").URPN. | USPAT | OR | OFF | 2005/10/21 10:41 |
| L4 | 22 | ("2009764" "2982053" "3338696" "3673049" "3682609" "3849097" "3850602" "4018965" "4824808" "4870034" "5374595" "5508237" "5688300" "5785726" "5824127").PN. OR ("6128924").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 10:43 |
| L5 | 3 | 4 and iron | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/21 10:43 |
| S1 | 90140 | oxid\$5 with glass | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 16:53 |
| S2 | 60568 | "356"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 16:53 |
| S3 | 418 | S1 and S2 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 16:53 |
| S4 | 770258 | iron or fe | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 16:54 |
| S5 | 48 | S3 and S4 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 17:06 |
| S6 | 54 | S3 and (puri\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 17:08 |
| S7 | 236 | S3 and fin\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 17:08 |
| S8 | 1 | S3 and fining | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 17:08 |
| S9 | 90179 | oxid\$5 with glass | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 10:24 |
| S10 | 60597 | "356"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 10:24 |
| S11 | 421 | S9 and S10 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 10:24 |
| S12 | 1445 | S9 and "250"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 10:39 |

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| S13 | 108016 | "250"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:05 |
| S14 | 45953 | "65"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:05 |
| S15 | 82823 | glass with oxid\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:06 |
| S16 | 4710 | S14 and S15 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:06 |
| S17 | 142 | 65/29.18.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:06 |
| S18 | 0 | 65/134.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:07 |
| S19 | 0 | 65/134.clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:07 |
| S20 | 965 | 65/134.\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:08 |
| S21 | 81 | (glass with iron with oxid\$4) and S20 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 11:29 |
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| S25 | 3 | david near b near boyd | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 14:38 |
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| S28 | 2 | (oxid\$6 near glass) and S26 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 10:47 |

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| S29 | 4 | ((("4419118") or ("4975168") or ("4557743") or ("6350712"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 11:57 |
| S30 | 2 | ((("5824127") or ("6128924"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 10:53 |
| S31 | 186 | extinct\$4 with coef\$6 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 11:58 |
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| S33 | 74 | oxid\$4 and S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:20 |
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| S35 | 14620 | partial adj pressure with oxygen | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:31 |
| S36 | 12447 | partial adj pressure near oxygen | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:31 |
| S37 | 0 | S35 and S32 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:32 |
| S38 | 5046 | S35 and glass | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:32 |
| S39 | 703 | S35 same glass | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:33 |
| S40 | 567 | S39 and oxid\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:34 |
| S41 | 92 | S39 and iron with oxid\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 12:34 |
| S42 | 12 | ("4312953" "4792536" "5077133" "5112778" "5214008" "5240886" "5308805" "5670433" "5728471" "5776845" "5830812" "5910461").PN. OR ("6350712").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/20 13:03 |

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OPTICAL PROPERTIES AND REDOX STATE OF SILICATE GLASS MELTS

AJ Faber - Klei/Glas/Keram., 2003 - tno.nl

... 6. **Partial oxygen pressure** as a function of temperature in silicate ... the EMF signal of an in-line **oxygen** sensor in the feeder channel of a **glass** furnace and ...

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Equilibrium and Transport Properties of Gases in E-Glass Melts

JA Ceram - blackwell-synergy.com

... (l). Furthermore, it was assumed that the inherent solubility of **oxygen** is controlled by the residual **iron** content of the **E-glass** melt. According to Eq. ...

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beam sputtering of titanium oxide

M Cevro, G Carter - J. Phys. D: Appl. Phys, 1962 - iop.org

... rate, substrate temperature and **partial pressure** of **oxygen** ... The **oxygen** fraction of the system **pressure** ... 7 **glass** were examined by transmission spectrophotometry ...

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EFFECT OF OXIDATION STATE OF IRON ON PHASE SEPARATION IN SODIUM SILICATE GLASSES

JS Jeoung, WH Poisl, MC Weinberg, GL Smith, H Li - J. Am. Ceram. Soc., 2001 - blackwell-synergy.com

... temperature of melting, duration of heat treatment, and **partial pressure** of **oxygen** above the ... However, once the **glass** is well characterized by a wet-chemical ...

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P Investigator, CP Investigator, CP Investigator - emsp.em.doe.gov

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Degradation of catechin and purification and partial characterization of catechin oxygenase from ...

T Sambandam, A Mahadevan - World Journal of Microbiology & Biotechnology, 1993 - springerlink.com

... **partial** characterization ... dialysed solution was freeze-dried, dissolved in 4 ml of **glass**-distilled water ... **Oxygen** consumption was recorded at every min for 5 min. ...

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Microstructure and Optical Properties of Pulsed-Laser-Deposited Iron Oxide Films

T Tepper, CA Ross, GF Dionne - IEEE Transactions on Magnetics, 2004 - ieeexplore.ieee.org

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Benefits of haemoglobin in the cladoceran crustacean Daphnia magna

R Pirow, C Baeumer, RJ Paul - J. Exp. Biol, 2001 - jeb.biologists.org

... Fe 2+ . The addition of extra ferrous **iron** has been ... animal was placed onto the **glass** bottom of ... the last minute of each step change in **oxygen partial pressure**. ...

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Isolation and **partial** characterization of a cytochrome-o complex from chromatophores of the

...

S Andre, D Klaus - blackwell-synergy.com

... work we describe the isolation and **partial** characterization of ... photoheterotrophically in a 15-1 **glass** fermenter at ... The **oxygen** con- centration of air-saturated ...

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Oxidative damage to DNA constituents by iron-mediated Fenton reactions

ES Henle, Y Luo, W Gassmann, S Linn - J. Biol. Chem, 1996 - jbc.org

... the retention times are represented as a **ratio**, r , to ... The molar **extinction coefficient** of peak j is assumed to be ... Substrate, **Iron**, Gas, NADH, Ethanol, [3 H]H₂O ...

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Polarized neutron diffraction— a tool for testing **extinction** models: application to yttrium **iron**

M Bonnet, A Delapalme, P Becker, H Fuess - Acta Crystallographica Section A Crystal Physics Diffraction ..., 1976 - scripts.iucr.org

... then applied to the case of yt- trium **iron** garnet (YIG ... the actual value of the flipping **ratio** can be ... The secondary **extinction coefficient** Y_s (3) is given by Y_s ...

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H₂O-H₂SO₄ system in Venus' clouds and OCS, CO, and H₂SO₄ profiles in Venus' troposphere

V Krasnopolsky, JB Pollack - Icarus, 1994 - ncbi.nlm.nih.gov

... mass **ratio** is 1 : 18, and the **extinction coefficient** of the ... is CO₂ + (SO)₂, and its rate **coefficient** is equal ... The model predicts an OCS mixing **ratio** of 28 ppm ...

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The Absorption Spectra of **Iron**-Flavoproteins

KV Rajagopalan, P Handler - J Biol Chem, 1964 - jbc.org

... abnormality depending on the **iron** to flavin **ratio** of the ... preparations (26) utilizing the molar **extinction coefficient** for nonheme **iron** described previously ...

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Heme **iron** reduction and catalysis by a nitric oxide synthase heterodimer containing one reductase ...

U Siddhanta, C Wu, HM Abu-Soud, J Zhang, DK Ghosh, ... - J Biol Chem, 1996 - intl.jbc.org

... The percentage of iNOS ferrous heme **iron** was estimated based ... 444 and 490 nm, using an estimated **extinction coefficient** of 74 ... 55 kDa), a 1:1 molar **ratio** of full ...

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... Two Distinct **Iron**-Sulfur Cluster Binding Sites: Chemical and Spectroelectrochemical Analysis of **Iron** ...

NB Ugulava, BR Gibney, JT Jarrett - Biochemistry, 2001 - courses.chem.psu.edu

... data suggest that the BioB monomer contains two **iron** - sulfur cluster ... conversions in biotin synthase (21) cited an **extinction coefficient** significantly lower ...

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AB Mason, QY He, BM Tam, RTA MacGillivray, RC ... - Biochem. J, 1998 - biochemj.org

... Co() titration [23]. These are the **extinction** coefficients for the apo-protein. ... Diferric form, Apo-form. **Ratio**. ... R^2 is the correlation **coefficient** for the ...

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The **extinction** coefficients in mid- and far-infrared of silicate and **iron**-oxide minerals of interest ...

C Koike, H Hasegawa, N Asada, T Hattori - Astrophysics and Space Science, 1981 - springerlink.com
... **EXTINCTION COEFFICIENTS OF SILICATE AND IRON-OXIDE MINERALS** ... the spheroidal shape
with the **ratio** of the ... axis larger than 89 the **extinction coefficient** does not ...
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Direct method for continuous determination of iron oxidation by autotrophic bacteria

M Steiner, N Lazaroff - Appl Microbiol, 1974 - pubmedcentral.nih.gov
... determination of ferric ions produced in autotrophic **iron** oxidation, which ... are due
to dependence of the **extinction coefficient** on the **ratio** of complexing ...
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The FRE 1 ferric reductase of Saccharomyces cerevisiae is a cytochrome b similar to that of NADPH ...

KP Shatwell, A Dancis, AR Cross, RD Klausner, AW ... - J Biol Chem, 1996 - jbc.org
... 4. Assuming the **extinction coefficient** of the ferrous-CO ... **iron** as a mechanism for
releasing environmental **iron**. ... However, if the heme:FAD **ratio** is calculated for ...
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